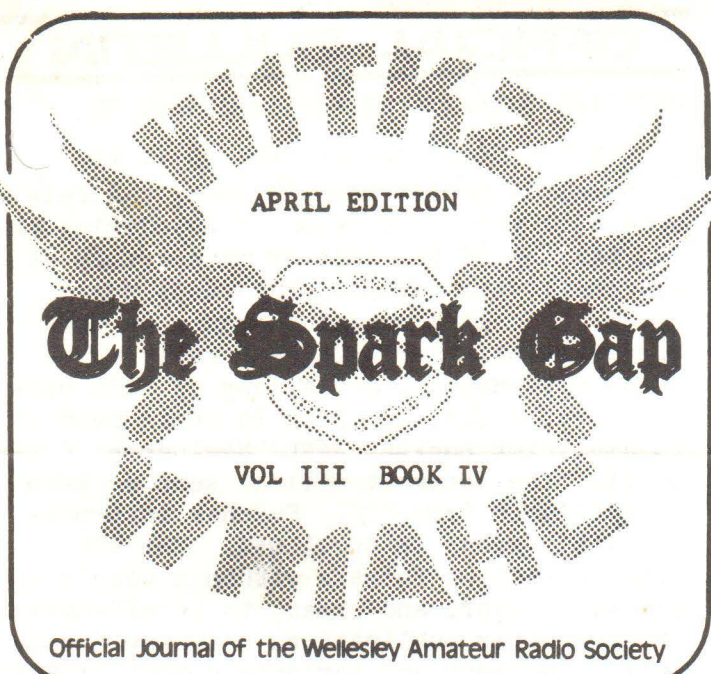




PRESIDENT'S MESSAGE-Cont'd.

activities in the future. The Executive Committee asks your support in passing the new Constitution and By-Laws. Copies of the revised Constitution and By-Laws are available at the club and may be had any time the club is open, mainly Monday Tuesday, Wednesday and Thursday evenings. We will vote on this issue at the meeting of April 21st.

We need your assistance at the April 16th W.A.R.S. auction. All who can make it, please let us know so we can formulate the auction work list. There will be a special meeting April 14th at 7:30 P.M. in order to discuss the operation of the auction and hand out the work lists. Everyone who will be working at the auction should attend this meeting.



ACTIVITIES

The Wellesley Recreation Department's Annual Road Race takes place on Sunday, April 3rd at 2:00 P.M. As you know, the Club has provided radio communications for this event for many years. In order to keep our present Club, it is most important that we give support to this event. We need about eight members, either mobile or with walkie's for 52 direct or through the 36-96 machine. It is suggested that we talk up the Road Race at future Club meetings. Please call Walt Lenk K1YTY, at 237-9289 so he can set up stations.

Events

By the time you get this copy of the GAP we will have spend one weekend in at the Museum Of Science, so perhaps if you haven't donated your time for the 1st weekend, you may want to for the first weekend of April. See Kevin Kelly, W1YHV for a spot at our Communications Center.

APRIL 16TH, THE BIG DAY.....This is of course the day of auction for the club. Since we are here to raise monies for the operations through the year, it is very

MEETINGS THIS MONTH:

April 7, 1977 at 7:30 P.M. & April 21
April 14, 1977 at 7:30 P.M. at 7 30 PM
Intermediate Bldg., Wellesley Hills, Mass.

After a very interesting March 17th meeting where Ed Tilton, W1HDQ of the ARRL spoke on sun spot activity, I find it is time again to begin getting all the data together for the 'Gap'. Ed's talk kept those who attended, spellbound at what these sunspots were all about and how to set up your own sun spot watch and how it affects radio activity propagationwise. Ed is responsible for the W1AW forecast Propagation Bulletins.

President's Message
by Don Chesley, WA1HVS

The Wellesley Amateur Radio Society over the last 12 months has doubled its membership and if this trend continues we can look forward to at least an additional 30-40% increase in growth over the next 12 to 18 months. This increase in membership although good for our organization, does create a problem in the area of operation. The present structure of the Executive Committee makes it difficult to operate the organization, and, at the same time, provide new activities for our club. It is, therefore, necessary for the Executive Committee to suggest revisions in the club Constitution and By-Laws, and to expand the Executive Committee of this Society to 14 members. These revisions are necessary we are going to continue to provide the club with the services that we now have and be able to expand and provide the membership with new and better facilities and

imperative that we make it a success. We would like to ask each one of us to bring some cup cakes or brownies to the auction to be sold at our lunch counter. It will make a tremendous difference if we can all do a little something extra to help and it will most surely be appreciated. If you cant do this, do not let this be a deterrent from coming because we do need you to help in many areas other than this.

On the first meeting April 7th, we will have Stew Perry, W1BB as our guest speaker to talk on 160 meters. Stew has distinguished himself on this band being one of the few who have DXCC 160 meters. He will tell us how we can get on that band and take up the challenge it offers. He will also have his old original Spark Gap with him and you will find him a unique guy so keep that date open for an evening of enjoyment.

Soon we will be taking nominations at the 21st of April meeting for officers to head the club through the 1977-78 season. This will give you time to think about who you would want to see elected. The elections will be held at the second meeting in May. Also, provided the revision to the Constitution and By-Laws go through, we will need people to fill these new positions too.

Glen Brodie W81BVN, will be heading up a mini-field day activity, so keep an eye on the Gap for details.

Meanwhile, plans for a suitable site for the regular field day in June are being sifted through but just in the planning stages at this writing but as they do come forth, we will keep you informed. We have checked a couple of possible sites to date but nothing definite yet. More later.

CLEARING THE AIR

In the last edition of the SPARK GAP I tossed in an editorial about supporting or not supporting the ARRL. I had hoped to hear some comments pro and con, but so far have heard not a word. This being your paper, if you have any retaliatory or supporting comments, make it a point to get them aired in the 'Gap'.

OFFICIAL BULLETIN

OFFICIAL BULLETIN NR 632 FROM ARRL HQ.

The FCC announced on Feb. 15 at the Personal Communications-77 Show, the release of a Notice of Proposed Rulemaking on the **banning of the sale or manufacture** of any amplifiers covering the 24-35 MHz range. FCC will accept comments on this proposal until April 25, and reply comments until May 5. For a copy of this notice, send a S.A.S.E. with 24 cents postage to Amplifier Docket, ARRL, Newington, Ct. 06111. The document will be sent as soon as available from FCC. Further information will appear in April QST. The FCC also expects to release within a couple of weeks, a Report and Order, to be effective 30 days after publication, that would establish spurious and harmonic output limits for amateur amplifiers. It would prohibit the sale or advertising of amplifiers which do not meet these limits. More details on this when available.

BULLETIN NR 633: A large three-color OSCAR poster is now available without charge from ARRL HQ. Perfect for club displays, OSCAR demonstrations and exhibits, the poster illustrates how signals are transmitted through the satellites. Also included is a special pad with detachable sheets for people to use in writing for further information about amateur satellites. To order your poster, please send \$1.00 for postage and handling to OSCAR POSTER, ARRL, 225 Main St., Newington, Ct. 06111. Include a brief description of your planned uses of the poster.

BULLETIN NR 634: Senator Barry Goldwater, K7UGA, on March 2, introduced a bill, S-864 requiring that measures to prevent radio frequency interference be incorporated in the manufacture of consumer electronics products. The bill is similar to the bill Goldwater introduced last year. See page 39 of March 1976 QST for a discussion of last year's bill. Amateurs who support such RFI legislation should send a personal letter to their senators in Washington DC, outlining the need for protective filtering and shielding in consumer electronic equipment. Similar legislation is expected to be introduced

The Spark Gap

Official Journal of the Wellesley Amateur Radio Society



EDITOR-IN-CHIEF, JAMES W. HATHERLEY

THE "SPARK GAP" IS A MONTHLY PUBLICATION OF THE WELLESLEY AMATEUR RADIO SOCIETY. ITS SOLE PURPOSE IS TO KEEP ITS MEMBERS ABREAST OF CURRENT HAPPENINGS, F.C.C. RULES & REGULATIONS CHANGES AND TO LIST EQUIPMENT OFFERED FOR SALE OR TRADE BY MEMBERS. MEMBERS ARE ENCOURAGED TO CONTRIBUTE TO THE SPARK GAP AND MAY SEND THEIR ARTICLES (TYPEWRITTEN IF POSSIBLE) TO THE EDITOR-IN-CHIEF OR TO THE CLUB ADDRESS.

THE WELLESLEY AMATEUR RADIO SOCIETY IS A NON-PROFIT ORGANIZATION DEDICATED TO THE PROMOTION OF AMATEUR RADIO THROUGH INSTRUCTION, FELLOWSHIP, DEMONSTRATION AND ENCOURAGED PARTICIPATION. ANNUAL MEMBERSHIP IN THE SOCIETY-\$5.00. CLUB YEAR RUNS FROM SEPTEMBER 1 - JUNE 30. AMATEUR NOVICE AND GENERAL CLASSES ARE CONDUCTED REGULARLY AT NO COST. TO ENROLL IN A CLASS OR GAIN INFORMATION ABOUT THE SOCIETY IN GENERAL, WRITE THE WELLESLEY AMATEUR RADIO SOCIETY,

324 WASHINGTON STREET
WELLESLEY HILLS, MASS 02181



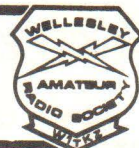
OFFICIAL BULLETINS- Cont'd...

in the House of Representatives shortly.

BULLETIN NR 635: The FCC has announced a moratorium, effective March 3, 1977, on applications for special-event stations and new secondary stations in the Amateur Service. Amateur Extra Class licensees who were eligible for 1 X 2 calls on Jan. 1, 1977, and applied for those calls on or before March 2, are not affected by this ruling. However, those eligible for 1 X 2 calls on the new secondary stations but must modify an existing primary or secondary station license to show the new call. All amateurs who currently hold a secondary station license may modify or renew them during this moratorium. The moratorium applies only to new secondary station and special-event station license applications.

That strange voice heard on 2 meters belongs to Charlie Chabot W1GFF who is finding out what FM is all about. Charlie was active on 2 meter AM before this.

QSY PLEASE, de W1TKZ



I have been asked many times by fellows having no call books, to look up a particular call, many of them DX calls. Did you know that the ARRL has a QSL Bureau set aside for its members? Instead of a direct QSL to DX land at so much per stamp, you can save lots of money by grouping all your foreign QSL's into one bunch, enclose one buck, along with the mailing label off your QST magazine, and send them to ARRL, Newington, Ct. 06111. I have used this service and have already gotten back some QSL's. For the newer members of the club, you should send a bunch of S.A.S.E. to the Hampden County A R ASSN., Box 8160, Forest Park Station, Springfield, Mass. 01108 for your incoming QSL cards. They provide the service and will put your cards into one of your envelopes as they accumulate and one day you will be surprised with some QSL cards from those places you had worked. When they use your last envelope, they will mention it and you can then send them a new supply of envelopes. So, it is outgoing QSL via ARRL and incoming QSL's through the Hampden A R ASSN. Okay? If some of you veterans have better ways to QSL, the SPARK GAP will be happy to hear from you so we can pass your information along. It would be helpful for all.

"New Tickets"



We missed a few calls last month and now have that information to pass along. I hope I now have them all but that seems to be a never ending thing, new tickets. so, Congratulations go to Ted Levin W1CFC, Luella Chesley W1BYK, Cheryl Chesley W1TAL and, though she has no call sign as yet, to Evelyn Adlerstein who successfully went up and passed her technician exams. We know you will all have many years of enjoyment in this hobby. WELL DONE. Also, to Glenn Brodie W1BVN for passing his technician exam, congratz too. Now Nina has to get busy to get her ticket and buy Glenn a 2 meter rig.

Hereabouts...

Times change and with it so do some of our members take off to other parts of the country and the world. Due to being laid off on his previous job, Paul Burkhardt, W1G6XN, has found new employment out in the Fitchburg area and will be moving out there on the 22nd of March. We will miss Paul at the meetings but he will be home on the weekends and you can bet your life he will be there on field day and the activities in the club. Good Luck on your new challenge Paul.

Also moving in late May or June is Bob Arnold, WD4AOH, who will be living down in the Carolina's. Bob is a Naval career man and that means many moves in his tours of duty and we are grateful for having met a guy as nice as he is. Bob has been active as writer of the "Profiles" column and has given us his 'desk mounted console' for the Spark Gap. Has anyone begun to build one yet? If so and you need help, Bob is still around for a month or so, call him and he will be glad to help you.

And, such is life, people come into yours and others leave, but each time you profit mutually just from 'knowing' each other. We do trust that the memories of the Wellesley Club will be golden in your lives.

Have you ordered your sweat shirt yet? If not, see Joe McGrath, W1JIR, for one of these snazzy sweaters with the club emblem on them. The cost is only \$7.00, and for what you get, that is surely a bargain anywhere. Great for field days and other events. The emblem is on display down in the classroom in the basement of the club.

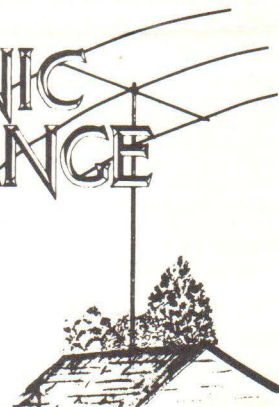
We now have a set of 1976 Call Books at the club now. Thanks to the generosity of Bob Woodbury, K1ZL who donated them. Bob, though not as active in the club nowadays, due to his work as New England Training top banana for Navy Mars. This activity takes up most of Bob's time but he is forever with us in spirit. Thank you Bob, already George Young W1YAU has made use of them.

Which brings up another thing. The KWM-2 is operational again, so if you do want to use it, just come up during the week nights of Mon-Wed. and Thursdays. We

HEARABOUTS-Cont'd....

hope you get a lot of enjoyment from it but remember, you must operate in that portion of the bands that your ticket is warranted for. Exceptions can be made if the control operator is on the spot to use the frequencies of his ticket. Please do not abuse this privilege by any horseplay while in the building as there are other activities going on where we could be a little disturbing to them. O.K.?

ELECTRONIC EXCHANGE

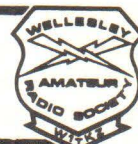


FOR SALE: Highband 4 channel Pocket Scanner in mint condition. \$65.00. Call Eric, K1NUN at 899-9463.

LOOKING for a 1 KW linear amplifier in good condition. Call Irving, W1CDW at 527-1633.

DONATION WANTED: File Cabinets, 2 drawer or 4 drawer, any condition. I will pick up Call W.A.R.S. Corresponding Secretary Dick Paret W1ZLQ, at 762-5074.

QSY PLEASE, de W1TKZ



The following is excerpted from the pages of the "Wellesley Town Report for 1976".

CIVIL DEFENSE REPORT

All designated public shelters have been inspected during the year. Under the direction of Civil Defense Director, Wm. E. Donahue, Jr., out-dated food supplies have been located and arrangements made for its disposal.

The Emergency Operations Plan has been up-dated and appropriate annexes prepared. During the August hurricane alert, emergency operations were successfully put into

QSY PLEASE-Cont'd.....

effect.

Civil Defense radios were moved from the Wellesley Hills Library to 324 Washington St.

Members of Wellesley's Amateur Radio Society continued testing of the emergency communications system on a monthly basis.

Captain David Wagstaff attended a bomb disposal demonstration in January.

Various director's meetings were attended throughout the year.

(ED NOTE:) The above was printed just to let you know our position in this town as far as emergency communications are concerned. In times of emergencies, we are literally minutemen through the AREC nets. AREC means Amateur Radio Emergency Coordination. (Actually the C means Corps.)

Just found out tonight that another of our club has passed his general exam and now has a full line of Drake C line gear. Hats off to E.R. (Hoppy) Hopkins, W1LUMW, who found out that the third time never fails. I call it perseverance.

Whenever you accomplish something like the above, please let us know so we can get it in the paper and let the others know all about it. Send your information to Jim Hatherley, 46 Hobson St., Brighton, Mass. 02135. Nuff sed? tel:254-6042.

Almost 75 years ago, Guglielmo Marconi made the first two-way transatlantic wireless contact. In commemoration of that event, the Town of Barnstable, Mass. Radio Club will sponsor special-event station K1LCC during the week of Jan. 14-22, 1978. They will recreate Marconi's contact with a multi-transmitter amateur station operating from the original location in Cape Cod National Park, South Welfleet, Mass. K1LCC, capable of worldwide communications will be manned by club members and open to the public. The club has been in contact with the Radio Society of Great Britain to have one of their member-groups sponsor a station at Poldhu, England. To finance the operation, commemorative envelopes are being sold. For further information, call Whitey Doherty, W1DGB, RFD 1 14 Pine St., Sandwich, Ma. 02563.

education corner



Graduates of our classes have asked me so many questions about soldering, putting together a station, operating procedures, project construction, etc., that I have set aside a weeknight devoted to helping out anyone who has a problem or gripe.

I do try to conduct a workshop in which novices can learn by doing. For example, everyone in last week's workshop constructed their own antenna, and then discussed ways to make different center insulators and proper soldering techniques.

Next week, we plan to go upstairs and learn how to tune up a transmitter. Perhaps some people will work up the courage to get their feet wet with some on-the-air QSO's. I don't have any organized lesson plan. The coming week's topics are decided upon by YOU, the Novice, and we plan a workshop on the spot.

If you are interested, we meet every Tuesday night at 7:30 PM. See you there.
de BILL DOWNING, W1LPQY

Events

MINI-FIELD DAY
BY Glenn Brodie, W1EBVN

The mini-field day is tentatively scheduled for the weekend of May 14th. This is two weeks before Memorial Day weekend and one week after Mother's Day. There are essentially two possibilities for Field Day. The first would be to hold it all day Saturday, during daylight hours. We would spend the morning setting up our equipment and building antennas. Around noon we could begin making QSO's, then an hour or two before we left, we could begin taking down our equipment. Box lunches could be brought by participants and possibly an evening cookout could be arranged.

The second possibility would be to begin the field day at Saturday noon and continue through to Sunday noon. Saturday afternoon we could set up equipment and build antennas until dusk, making the contacts until mid-morning Sunday when we could take down the equipment. Obviously the second alternative would require a greater time commitment by the participant and would require more planning, but, it would closely approximate a bona-fide field day.

Finally the question of the location for the field day site remains to be determined. The suggestions made so far have included the lawn in front of the club, Wellesley College, and in the Natick Town Forest. I would appreciate any thoughts on the subject and will throw the matter open for discussion at the next meeting. I hope there will be sufficient interest to have a field day that will be both enjoyable and educational.

AUCTION WORK LIST.....

Following is list of tentative jobs and designations for the auction's success.

M. Adlerstein	auction table
B. Arnold	raffle tickets
J. Borrow	check in/auctioneer
R. Poole	auctioneer
G. Brodie	spotter
N. Brodie	tee shirt/bumper sticks
P. Burkhardt	talk in
C. Chabot /	check in
Don Chesley	auction block/PA system
C. Chesley	food concession
L. Chesley	food concession
R. Chesley	food concession
Dale Chesley	raffle tickets
P. Hatherley	food concession
J. Lazawatsky	security
W. Lenk	check in
D. Magnanti	security
C.J. MacDonald	security
Jim. McGrath	spotter
M. McGrath	tee shirt/bumper stick
Joe McGrath	auction block/PA system
J. Murphy	Chief security
S. Nacey	raffle tickets
D. Paret	auction table
P. Randazzo	auctioneer.
T. Riley	security
N. Swartz	talk in/spotter
D. Weissel	security/talk in alt.
C. Wiles	flea market
D. Curry	raffle tickets
R. Wilmarth	auction block/PA sys/talk in
D. Smith	Security
S. Ruden	auctioneer
B. Downing	flea market
D. Goldman	auction table

To date the above are all that have signed up. There are jobs for you late signers, so c'mon, lend a hand.

"Timeout!"

By Ned Swartz, K1SOP

My apologies to readers of the Spark Gap and QRZ for not meeting my deadlines last month. This left both editors with no repeater column, although Jim Hatherley did fill in the space under the TIMEOUT logo in the Gap. The repeater bulletin is still in process, but I promise it will be ready soon.

It may seem strange to many of us, but there are folks out there who do not know what a repeater is. Simply, a repeater is nothing more than an automated station. Our repeater receiver listens on 147.96 MHz. The presence of a signal on that frequency energizes a carrier operated relay, or COR. The COR turns on the transmitter which plays on 147.36 MHz simultaneously. The receiver audio is connected directly to the transmitter audio input. Thus incoming signals on 147.96 are "repeated" on 147.36. While this simple description also leaves out the humans who make it work: our control operators: K1MBX, W1LCDW, W1ERZ, W1RVZ and myself and our trustee W1LJO. Also our repeater committee again W1LJO, K1SOP and W1IDA for the Middlesex club, W1HVS, W1TUN for the Wellesley club. Equally important are the volunteers for the work details including K1JCM, W1JIR, W1PQY, W1RGA, W1RSV and W1YVO.

LATE ARRL BULLETIN: TO ALL AMATEURS.

NR 637. As a continuing membership service, ARRL now has ready the latest chart showing all available 1 X 2 calls, as of April 1. The chart indicates that there are no more available K or W prefixes in the 4th call area, and no W prefixes left in the 6th call area. The chart may be obtained by sending a SASE with 24 cents postage addressed to CALL SIGNS, ARRL, 225 Main St., Newington, Ct. 06111.

Got any news for the GAP? Send them to Jim Hatherley, 46 Hobson St., Brighton, Mass. 02135 for action.

profiles

by Bob Arnold,
WD4AOH/1

Meet Chris Wiles, WA1RGA/WA1VVO. Chris is a familiar figure around the club as he has been active for quite some time and serves as Vice-President.



Chris was born in Cambridge, Mass. on August 19, 1956 and moved to Wellesley. He is single and lives with his parents at 10 Larch Rd., Wellesley.

Chris is a graduate of Wellesley High, class of '74' and has attended Worcester Polytechnic Institute and Stonehill College, and is now working at the Wellesley Jr. High School as an audio-visual consultant and photographer.

Chris' hobbies are music, photography and amateur radio, but, admittedly, music is his main love of the three. He is a French horn player and this is known to be one of the hardest instruments to master (ask Arthur Fiedler). Chris has been studying his instrument for 10 years and has had section solos with some of the orchestras he has played with, namely the Wellesley Jr. High, Wellesley High, Worcester Polytechnic Institute and Stonehill College plus the Wellesley Symphony Orchestra. Quite an achievement when you consider how active he has been in the club.

Though he has won some fame in the music field, he has proven to be a more than adequate photographer and many of his

Profiles...Cont'd.....

pix have appeared in QST and the local papers. He is the fellow who took most of those magnificent Field Day '76' slides which many of you have viewed.

Chris is also a dedicated ham too. He got his license in 1972 and has upgraded his original novice ticket to that of an advanced status. He enjoys all, or mostly all, the club's activities and his biggest joy in this field is working with the new people, especially the younger fry, many of whom Chris nursed along from an unknowing lad to a ham of general class status. He has taught novice classes for quite a while before any regular system of teaching came on to the scene.

Chris operates most bands and for equipment, has a set of Drake twins for the low bands, a Wilson talkie, a Unimetric transceiver for 2 meter FM and a Gonset Communicator for 2 meter Am. On the low bands he uses a dipole antenna. He has been the net control station for our old novice net and is also active on the AREC nets too.

Yep, for a young fellow, Chris has quite a background and I am sure he will have more to add to it before he calls it a career.

The next profile is that of Bill Downing, WA1PQY.

Bill was born in Boston, December 17, 1951, and spend his school years in the Wellesley area, graduating from Wellesley High School in 1970.

Bill holds a B.A. degree in modern European languages from Middlebury College in Vermont where he graduated in 1974.

Bill got his introduction to amateur radio while at Middlebury, and was licensed in 1972. He really got involved while at college and held the office of President of the college amateur radio club. He said he became quite spoiled on the club equipment, a set of Drake twins—who could blame him?

Bill had intentions of teaching after college, and was accepted at Columbia University for the doctorate program. He later decided not to enter the teaching profession, and passed on the university offer. He is currently working on an accounting degree at Boston University and intends to pursue a career in busin-

PROFILES-Cont'd.....

ess. upon completion.

Bill holds a general class license and as mentioned previously, got his first ticket in 1972. He is very active in the



Wellesley club and the results of some of his efforts may be heard regularly on the novice bands.

Bill is active on the low bands with his "Hot-Water 101", but can be heard most often on 2 meter FM using that nifty, new I-COM 22S of his. He also has a Gonset Communicator which he uses for that rare 2 meter AM-DX. Hi...Hi... Bill is also a builder of equipment. He is one of the first in the club to build the ACCU-KEYER with a memory, quite an undertaking, to say the least.

In addition to the number one hobby, Bill also enjoys skiing. He is an advanced downhiller and has also been working on his cross country skills. He said he has moved up to the five mile mark without stopping-THAT'S DEDICATION!!!

* * *

Well, I guess that's about it for this month. I think the only thing I forgot was that Bill is single and lives at home with his folks in Wellesley.

See ya next month ya'll.

de Bob Arnold, WD4AOH/1

NOVICE INSTRUCTORS, PLEASE NOTE:

FCC's new Novice exam has a circuit diagram error in the Ohm's Law problem which makes it impossible to answer as presented. Gettysburg has been advised

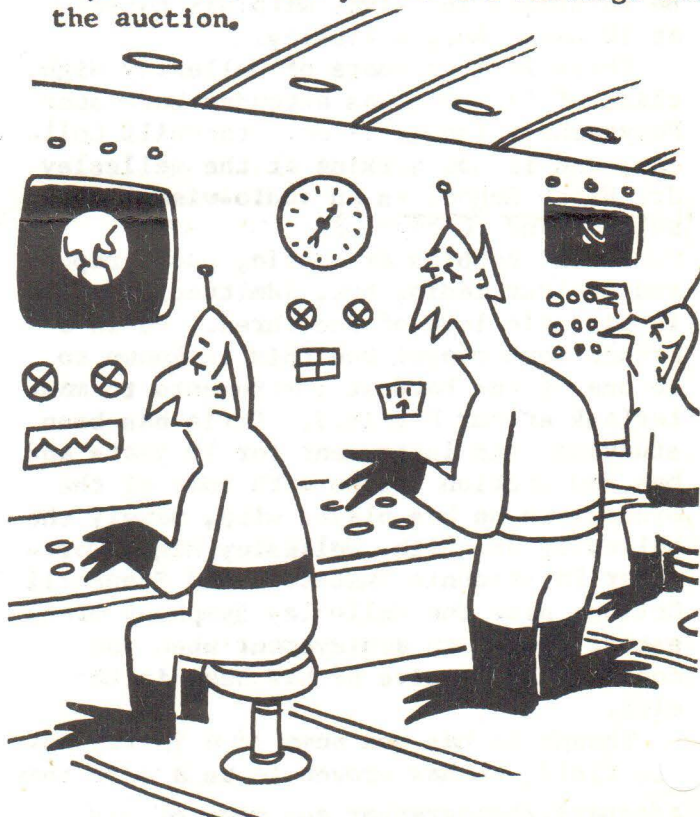
Novice Instructors...Cont'd.

to give all Novice applicants credit for that question whether it is answered or not - (taken from Ham Radio Presstop April 1977)

And I guess, this about brings us up to the time to say our finals and see you at the meeting on April 7th where we will have Stewart Perry, MR. 160, telling us about some secrets to operating on this band.

Auction plans at this time are going on in good shape. We have printed and distributed thousands of flyers all about the New England area and now it remains for us to talk up the auction on the various repeaters we use. Club members have been devoting their time to the making of bumper stickers and special tee shirts that will be on sale for the auction and this behind the scene type of work is common to the success of many of the club's ventures. If you aren't yet involved, please do so, as it is that what you put into a thing that you can get out of it.

So, until next month, we will say o 73,s to all. See you at the meetings and the auction.



I'M PICKING UP SIGNALS FROM EARTH! DOES ANYONE KNOW WHAT "IO-4" MEANS?